

What is claimed is:

1. An acceleration sensor comprising:
  - a mounting board; and
  - a sensor chip mounted on the mounting board, wherein the sensor chip is formed of a weight, a beam and a frame, the weight is surrounded by the frame and joined to the frame by the beams, thus being supported so as to separate from the mounting board, and a stopper for preventing the weight from directly contacting the mounting board is disposed between the weight and the mounting board.
2. The acceleration sensor according to claim 1, wherein the stopper is mounted on the mounting board.
3. The acceleration sensor according to claim 1, wherein the stopper is disposed on a surface of the weight facing the mounting board.
4. The acceleration sensor according to claim 3, wherein the stopper has a cone shape or a pyramid shape where a side facing the mounting board is a vertex.